## MODULE HANDBOOK

| Module Name: | Elementary Number Theory |
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| Module Level: | Sarjana (S-1) / Bachelor |
| Abbreviation, if applicable: |  |
| Sub-heading, if applicable: | - |
| Course included in the module, if applicable: | - |
| Semester/term: | 3/ Second year |
| Module Coordinator(s): | Dwi Nur Yunianti, M.Sc |
| Lecturer(s): | Dr. R. Sulaiman, M.Si <br> Dwi Nur Yunianti, M.Sc <br> Rudianto Artiono, M.Si |
| Language: | Indonesia |
| Classification within the curriculum: | Compulsory course/ elective studies |
| Teaching format/class hours per week during the semester | Teaching format: lectures, tutorial assignment, and individual study. $2 \times 170$ minutes $=340$ minutes $=5.6$ hours lectures |
| Workload: | 15 weeks per semester consisting of: <br> $>2$ hours lectures ( $2 \times 50$ minutes) per week, <br> $>2$ hours tutorial assignments ( $2 \times 60$ minutes) per week, <br> $>2$ hours individual study ( $2 \times 60$ minutes) per week, <br> Total workload : $14 \times 2 \times 170$ minutes $=4,760$ minutes $=3.17$ ECTS* |
| Credit Point: | 2 |
| Requirements: | Foundation of Mathetatics |
| Learning Goals: | Knowledge <br> CLO-1: Identify and explain solving simple problems using the concepts and properties of division, number base, prime numbers, FPB and KPK, congruence, residual system, Euler's theorem, linear congruence, simultaneous linear congruence system, congruence system linear <br> CLO-2: Capable of thinking in a structured manner, reasoning, proving simply the characteristics of division, number base, prime numbers, FPB and KPK, congruence, residual system, Euler's theorem, linear congruence, |



| Note | $*$ Total hours per 1 credit in 1 semester $=\{(1$ credit $\times 170$ minutes $x$ |
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| 14 weeks $) / 60$ minutes $\}=39,67$ hours. |  |
|  | Each ECTS equals with 25 hours therefore 1 credit in 1 semester |
| equals 1,59 ECTS. |  |

